

Appl. No. 10/601,351
Amdt. dated July 19, 2004
Reply to Office Action of April 19, 2004

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

14-19. (Withdrawn)

20. (Amended) An integrated circuit, comprising:
a logic inverter comprising:
an n-channel field effect transistor;
a p-channel field effect transistor;
a gate, formed in a layer of polysilicon; and
a connection between a drain of the p-channel field effect transistor and a
drain of the n-channel field effect transistor formed in said same layer of polysilicon.

21. (Amended) The integrated circuit as described in claim 20,
wherein the polysilicon comprising said gate is coplanar with the polysilicon comprising said
connection between said drain of the p-channel field effect transistor and said drain of the n-
channel field effect transistor.

22. (Previously Presented) The integrated circuit as described in claim
20, further comprising:
a first layer of metallization; and
a second layer of metallization, wherein the second layer of metallization
comprises substantially no local interconnect.

23. (Previously Presented) The integrated circuit as described in claim
22, wherein said second layer of metallization comprises no local interconnect.

24. (Amended) The integrated circuit as described in claim 20,
further comprising:

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a plurality of MACROs;
a ~~first~~ first layer of metallization; and
a second layer of metallization interconnecting said plurality of MACROs.

25. (Cancelled)

26. (Previously Presented) The integrated circuit as described in claim 24, further comprising, no local interconnect within said second layer of metallization in at least one of said MACROs.

27. (Previously Presented) The integrated circuit as described in claim 24, further comprising, no local interconnect within said second layer of metallization in a plurality of said MACROs.

28. (Previously Presented) The integrated circuit as described in claim 24, further comprising, no local interconnect within said second layer of metallization in all of said plurality of MACROs.

29. (Previously Presented) The integrated circuit as described in claim 24, wherein at least one of said MACROs is comprised by a standard cell array of the integrated circuit.

30. (Previously Presented) The integrated circuit as described in claim 29, wherein said standard cell array comprises a row pitch and at least one MACRO has a row pitch equivalent to the row pitch of said standard cell array.